

Title (en)
TITANIUM OXIDE LIQUID DISPERSION, TITANIUM OXIDE LIQUID COATING, AND PHOTOCATALYST COATING FILM

Title (de)
FLÜSSIGE TITANOXIDDISPERSION, FLÜSSIGE TITANOXID BESCHICHTUNG UND FOTOKATALYTISCHER BESCHICHTUNGSFILM

Title (fr)
DISPERSION LIQUIDE D'OXYDE DE TITANE, REVÊTEMENT LIQUIDE À BASE D'OXYDE DE TITANE, ET FILM DE REVÊTEMENT POUR PHOTOCATALYSEUR

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Application
EP 14764090 A 20140306

Priority

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Abstract (en)
[origin: EP2974793A1] Provided is a titanium oxide dispersion liquid that has dispersibility and dispersion stability both at superior levels and, when applied and dried, can form a photocatalyst coating film capable of rapidly developing excellent photocatalytic activity. The titanium oxide dispersion liquid according to the present invention includes titanium oxide particles (A), a dispersing agent (B), and a solvent (C). The titanium oxide particles (A) support a transition metal compound. The dispersing agent (B) includes a poly(acrylic acid) or a salt thereof. The poly(acrylic acid) or a salt thereof in the dispersing agent (B) preferably includes a poly(acrylic acid) alkali metal salt. The poly(acrylic acid) or a salt thereof in the dispersing agent (B) preferably has a weight-average molecular weight of from 1000 to 100000.

IPC 8 full level
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Citation (search report)

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